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ABSTRACT OF THE DISCLOSURE

A sealed electrode enclosed in separator material is provided for use in a capacitor cell. The separator may either be adhered to the electrode in sheets, or may be formed into a pouch, which is used to enclose the electrode. A method of preparing the electrode sealed with separator is described in which an adhesive is used to secure the pouch to the electrode before sealing it. The prefabricated electrode and separator combination may be used in both coiled capacitor cells and flat capacitor cells that are often used in implantable medical devices. Electrodes prepared in this fashion can be efficiently and reliably aligned within the case of a capacitor cell, and have no exposed electrode surfaces that could lead to short-circuiting within the cell.